



**Georgia-Pacific Gypsum LLC**

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M0410009  
TASK 2851  
cc: Lynn

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Lynn Kunzler  
Biologist  
Utah Department of Natural Resources  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, Utah 84116

December 1, 2008

Re: Georgia-Pacific North Quarry, Sevier County, Utah

Dear Mr. Kunzler:

I would like to thank you and Mr. Wayne Western for meeting us at our North Quarry to review the location and method we are proposing to reclaim an area where gypsum was mined. As discussed during our meeting, a request for an experimental variance from the standard reclamation methods is being submitted.

**Location:**

The North Quarry is located in T22S, R1W in Sevier County, Utah. GPS reading in the pit – Lat: 38.90909, Long: 111.86189. Refer to attached Crescent GPS Location Marker Satellite Photo.


**Background:**

The proposed area to be reclaimed is an area composed of gypsum and other sedimentary beds that were uplifted to an almost vertical position. In the mid 1980's, the gypsum was mined that created a pit with a 15' to 20' ridge around the pit on top of the uplifted area. There are steep slopes around the uplifted mine area that makes it very difficult to reclaim it using conventional methods due to very little overburden/topsoil. Refer to attached picture.

**Proposed Reclamation Project:**

A controlled blasting method is proposed to create what we refer to as a bump blast that will lift the pit floor to approximately the same height as the ridge around the pit. The pit will be divided into four sections, each approximately 100' x 125' that will be drilled on a 7' x 7' pattern 18' deep. Each hole will be loaded with ANFO to 13' then the remaining 5' will be stemmed using 3/8" gravel. This will be a timed shot in order to lift the pit floor to create a rounded area. Blasting will create overburden that can be worked more economically if needed vs. conventional methods. DOGM will be contacted after two of the four sections have been shot in order to set up a site visit to evaluate the blasting results.

Your review and approval of the experimental variance will be appreciated. Thank you.

  
Thomas C. Brooks  
Geologist  
702-643-8100 x 304

RECEIVED

JAN 28 2009

DIV. OF OIL, GAS & MINING

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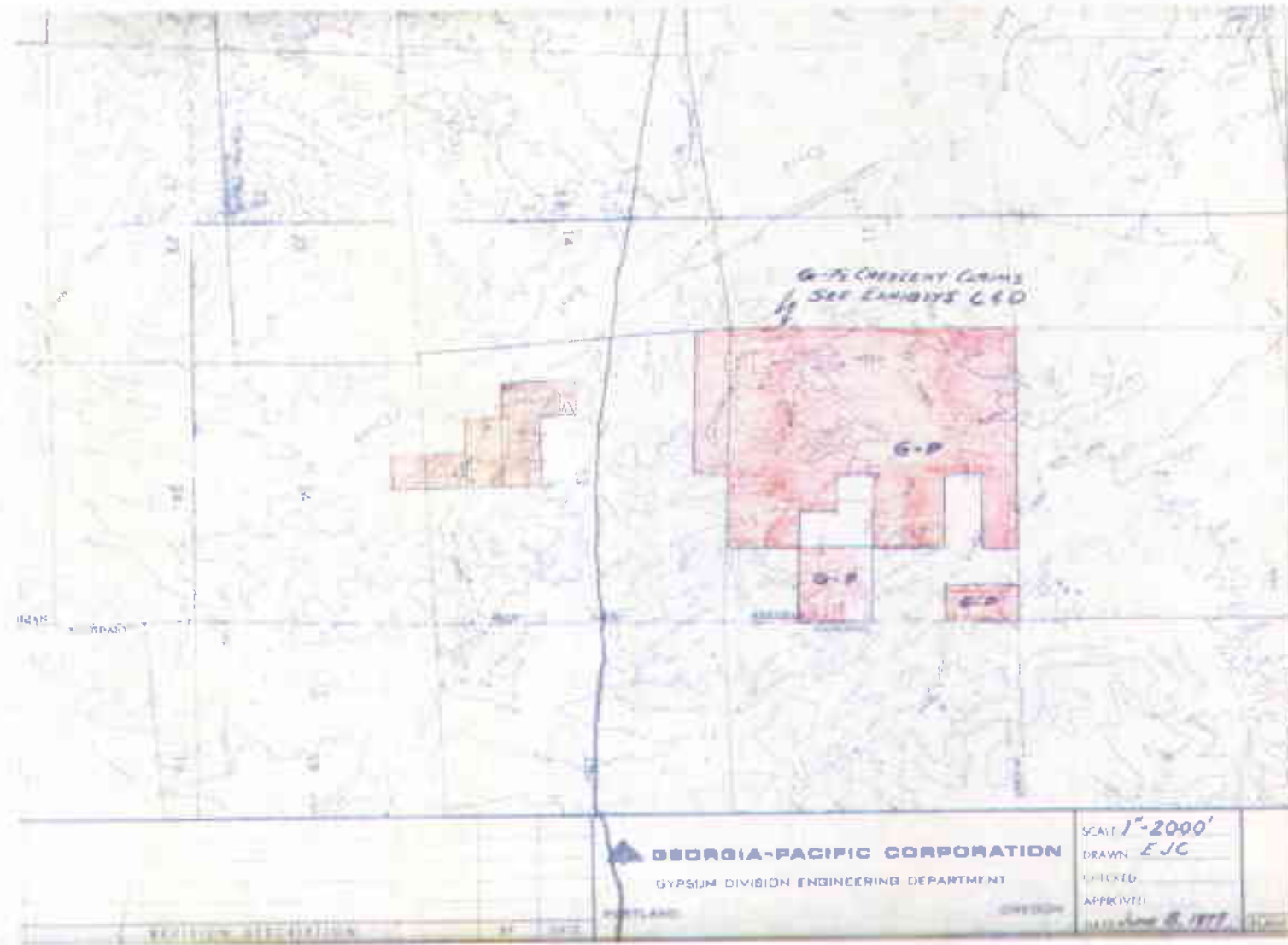
Crescent GPS Location Marker



GEORGIA-PACIFIC GYPSUM LLC  
NORTH QUARRY  
SIGURD, UT

11/20/2011

No warranty is made by the DLM for the use of the data for purposes not intended by the DLM.



 **GEORGIA-PACIFIC CORPORATION**  
GYPSUM DIVISION ENGINEERING DEPARTMENT

SCALE	1"=2000'
DRAWN	EJC
CHECKED	
APPROVED	
DATE	8.1977

VELOCITY OF PROPAGATION

AT

PORTLAND

DESIGN





GEORGIA-PACIFIC GYPSUM LLC  
NORTH QUARRY - CRESCENT CLAIMS  
SIGUR, UT  
LAT: 38.90909; Lon: 111.86189

Nov. 2008